

INFORMATION REPORT

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COUNTRY **Poland**

REPORT

SUBJECT **Power Plant at Stalowa Wola**

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This is UNEVALUATED Information

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

1. The Stalowa Wola power plant¹ is located some 2½ km. from the city of Stalowa Wola along the asphalt road leading to Nisko. This power plant is known as Stalowa Wola I. The operation of the power plant is directed from a government administrative center in Radom. Two other electrical power plants are also controlled by the administrative center in Radom but the location of these two plants is unknown. A new power plant is being constructed beside Stalowa Wola I. It will be called Stalowa Wola II and its operations will also be directed from the administrative office in Radom. The electrical current produced in Stalowa Wola I is used in the Stalowa Wola steel plant². It is believed that the electrical current produced in Stalowa Wola II, after it is completed, will also be used in the steel plant.

2. Stalowa Wola I employs about 120 or 130 workers, exclusive of the guard and security force. Most of these workers live in Stalowa Wola or other nearby cities and commute daily by train or autobus.

3. About 300 men are employed in the construction of Stalowa Wola II. About 100 of these men live permanently in the vicinity of Stalowa Wola and the remainder are construction specialists who were brought into the area to construct the new power plant. While working on Stalowa Wola II, the imported workers live in a wooden barracks near the main gate to the power plant. Many of the men are Silesians and formerly worked on the construction of power plants in Silesia. The chief of the construction crew is Nowolani (fnu). The technical director of the construction crew is Saniewski (fnu).

The construction of Stalowa Wola II is being carried out under the direction of Energomontaz, a state construction organization which specializes in the construction of Polish electrical installations. The crew working on the construction of Stalowa Wola II does not appear to be in any way responsible to the director of Stalowa Wola I.

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4. The boiler house in Stalowa Wola I contains three new Polish-built boilers. Each boiler has a capacity of 100 t/h, an atmospheric pressure of 64 Atm, and a maximum temperature of 320°C. All three boilers were installed during the last two years and all were in operation as of February 1955. The operating efficiency of these boilers appears to be good. A fourth boiler of identical size was being installed. It will probably be ready for its first tests by about June 1955 and should be ready for continuous operation in about a year. This boiler was reportedly built in a factory near Myslowice, Poland. No other steam boilers are believed to be located in Stalowa Wola I. It is possible that some older boilers were formerly installed at the plant but they were probably torn up to make room for the new ones.

5. The turbine hall in Stalowa Wola I contains three turbines. The first of these is a brand new 35-mega watt machine. It was installed only about May 1954 but it has never functioned satisfactorily. The machine vibrates constantly and it appears that one of the turbine blades may be damaged. It will probably have to be repaired. The other two turbines are 20-megawatt machines. Both of these machines are rather old but both are functioning satisfactorily. There are no plans for installing more turbines in Stalowa Wola I.

6. The Stalowa Wola I power plant uses about 800 tons of good quality coal per day. The coal is delivered to the plant by a single-track railroad line. It is unloaded by a crane and fed into the boilers by a system of conveyor belts. The PIV machines, which regulate the amount of coal to be fed into the boilers, are all of Polish construction. Formerly, the Poles purchased this type of machine abroad and the PIV machines at Stalowa Wola I are believed to be some of the first ones constructed in Poland. Some 6 to 9 of these machines are located in Stalowa Wola I and all seem to be well made and in good working order. In February 1955, the PIV machines were being operated manually, but the Poles were considering purchasing automatic regulators for them. If they decide to procure automatic regulators they will have to purchase them abroad since they themselves are as yet unable to construct such delicate instruments.

7. The Stalowa Wola I power plant is being used as a model for the construction of Stalowa Wola II. Eventually, Stalowa Wola II will also have four boilers and three turbines and will have about the same capacity as Stalowa Wola I. The construction work on Stalowa Wola II has so far been limited to digging basements, laying cement foundations and constructing concrete upright supports. Installation of the first boiler, which was ordered from a Czech firm, will begin during spring 1955. The installation will be carried out by Czech technicians.

2 [] Comment: [] it was reported that the Stalowa Wola power plant provided electric power for an armaments plant at that location.

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Legend to sketch of Stalowa Wola power plant

1. Narrow asphalt road between Stalowa Wola and Nisko.
2. Railroad line.
3. Railroad line used to bring coal to the power plant.
4. Wire fence about two meters high. There are no watch towers along the fence but it is patrolled constantly by black-uniformed guards.
5. Gates in the wire fence. All employees are issued special passes and everyone passing through the gates must identify himself.
6. General store for plant employees. The store sells groceries, textiles, radios, etc.
7. Barracks for construction workers.
8. Fire station. A watch tower for the fire guard has been erected on top of the fire station. The watch tower has sagged to one side and is standing noticeably askew.
9. Wooden building for administrative staff.
10. Wooden building, contents unknown.
11. First aid station.
12. Cement building for administrative staff.
13. Crane to unload coal from railroad cars. The crane is located underneath a large water tower.
14. Coal pile.
15. Conveyor belt to carry coal into building.
16. Building housing Stalowa Wola I. This building lies about 400 meters from the wire fence. The building is about 60 meters long and about 40 meters wide.
17. Three Polish-built boilers.
18. New Polish-built boiler being installed here.
19. 35-megawatt Escher Wyss machine.
20. Two 20-megawatt Als Thom turbines.
21. Control panel for operating Stalowa Wola I.
22. ~~Lean-to~~ surrounded by high wire fence, enclosing transformers for Stalowa Wola I.
23. Basements and foundations for Stalowa Wola II.

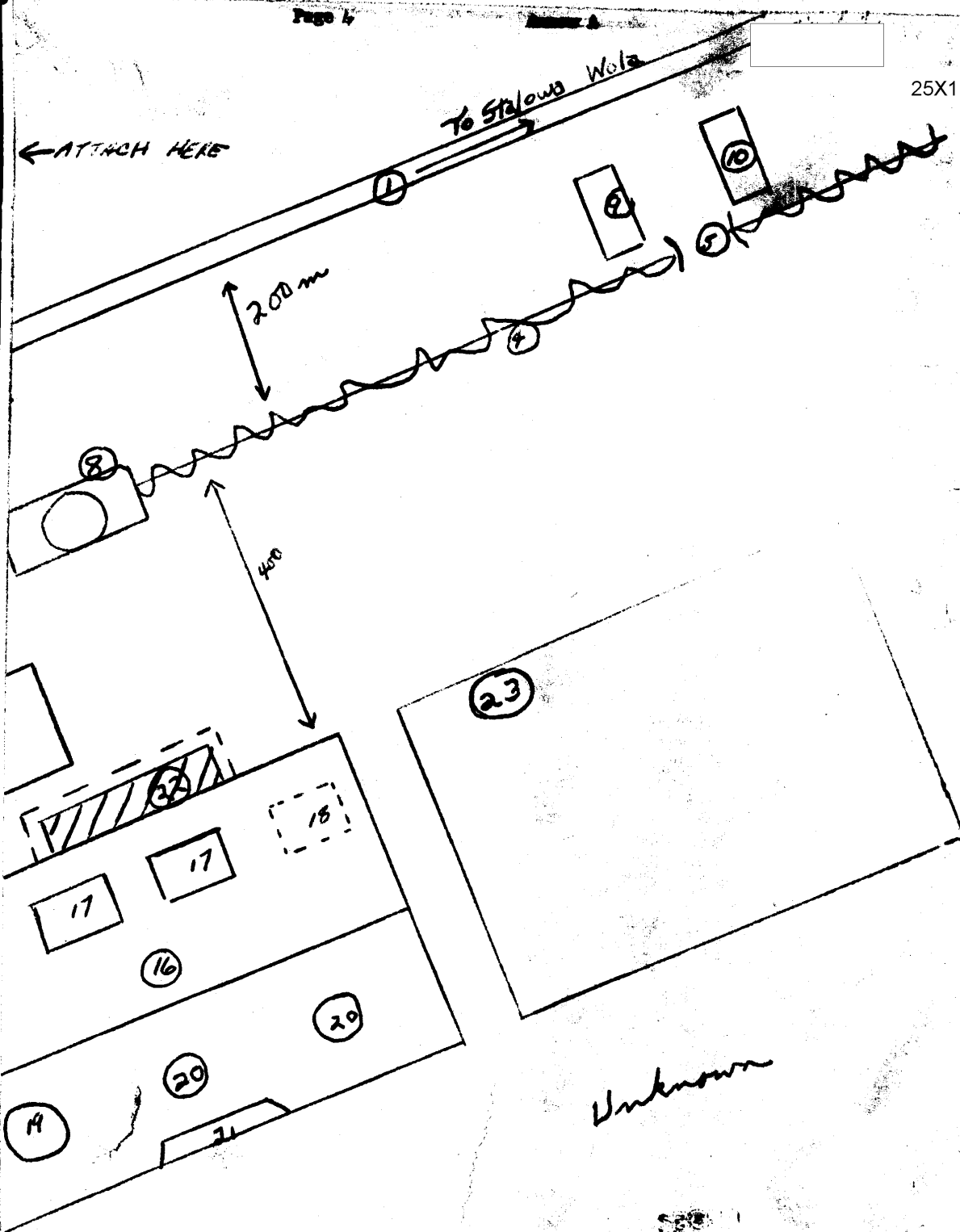
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Figure 4



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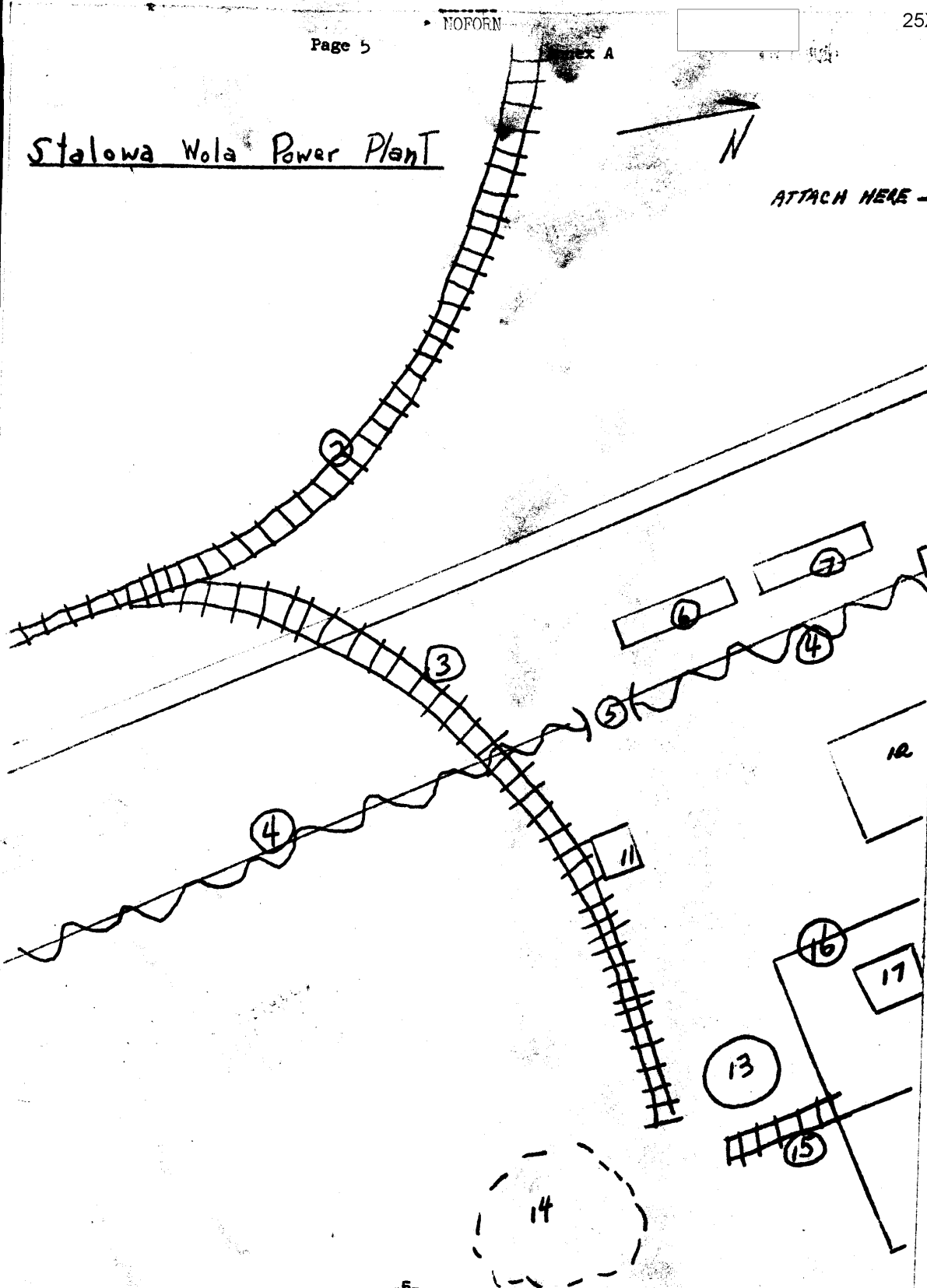
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Stalowa Wola Power Plant

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